

Using ConfiForms apply filter rules with Insight objects



This tutorial helps you to understand how to use Insight objects in ConfiForms, how to access the data these objects have and how to make a dependent fields (where the choice in one field results in the reduced number of options available in another field)

Imagine we have the following structure in Jira Insight database for our assets

The screenshot shows the Jira Insight interface for the 'Insight test schema'. On the left, a sidebar lists 'Network Assets' with sub-items: 'Host (2)', 'Connected Device (3)', 'Device', and 'Asset Details'. The main area displays the 'Host' object details for 'host 1'. The breadcrumb trail is 'Insight test schema / ... / Host / ITS-2'. The object name is 'host 1'. Below the name are buttons for 'Edit', 'Comment', 'More', and 'Object Graph'. The 'Details' section shows 'Name' as 'host 1', 'Status' as 'CONTINUE PENDING', and 'Virtual' as 'false'. The 'Activity' section has tabs for 'Comments' and 'History'. The 'History' table shows two entries: one for 'Changed Value' at 30/Oct/19 4:08 PM and one for 'Created' at 30/Oct/19 1:36 PM, both by 'admin'.

Created	Type	Actor
30/Oct/19 4:08 PM	Changed Value	admin
30/Oct/19 1:36 PM	Created	admin

The screenshot shows the Jira Insight interface for the 'Insight test schema'. On the left, a sidebar lists 'Network Assets' with sub-items: 'Host (2)', 'Connected Device (3)', 'Device', and 'Asset Details'. The main area displays the 'Connected Device' object details for 'device 1'. The breadcrumb trail is 'Insight test schema / ... / Connected Device / ITS-3'. The object name is 'device 1'. Below the name are buttons for 'Edit', 'Comment', 'More', and 'Object Graph'. The 'Details' section shows 'Name' as 'device 1' and 'Host' as 'host 1'. The 'Activity' section has tabs for 'Comments' and 'History'. The 'History' table shows one entry: 'Created' at 30/Oct/19 1:37 PM by 'admin'.

Created	Type	Actor	Attribute
30/Oct/19 1:37 PM	Created	admin	

We have hosts and connected devices, where connected devices belong to a certain host and we want to have a form in ConfiForms which will list us all the hosts and devices and will make the list of devices dependent on the selection made in hosts field.

Hosts

Devices

+

host 1

device 1

device 2

Save

Close

This is totally possible with ConfiForms app for Confluence.

And here is how it can be done.

We use "Insight objects dropdown" field in ConfiForms

Field type

Insight objects dropdown

And setup the fields to show the objects of a "hosts" and "devices" types

This is done by setting up a proper type ID in the "Insight Object Type ID" parameter

Insight Object Type ID:

2

☒ Load with object attributes

Object type id you can see inside Insight in Jira

Create Object

Objects

Attributes

Graph

Object Type ▾

⚙️ Configure

You can see it's id in the detailed view

Configure Host


General Roles Inheritance

About this Object Type

Id	2
Name	Host
Icon	 Host
Description	No description
Created	30/Oct/19
Number of objects	2

To make the fields dependent you need to understand how they are linked in Insight

You need to see the attributes and it's ID's, as we will need to make our filtering based on correct attribute

**Connected Device**
No description

Create Object Objects Attributes Graph Object Type ▾

Filter Search 🔍 Advanced

Go to Attributes 25 ⌵ ⚙️ ID ▾


Name +
 device 1

Insight test schema / ... / Connected Device / ITS-3
device 1



Edit Comment More ▾ Object Graph

  Watch 📺

And looking at how "Devices" are linked to "Hosts"

**Connected Device**
No description

Create Object Objects Attributes Graph Object Type ▾

Id	Name	Description	Type	Type Value	Additional Value
9	Key		Default	Text	
10	Name		Default	Text	⚙️
11	Created		Default	DateTime	
12	Updated		Default	DateTime	
77	Device ID		Default	Text	⚙️
78	Status		Status		⚙️
79	Host		Object	 Host	 Installed ▾ Update Cancel
80	Object Hash		Default	Text	⚙️
81	Manufacturer		Default	Text	⚙️
82	Default		Default	Text	⚙️
83	Network		Default	Text	⚙️
84	Local		Default	Text	⚙️
85	Shared		Default	Text	⚙️
86	MonitorType		Default	Text	⚙️
87	ScreenHeight		Default	Text	⚙️
88	ScreenWidth		Default	Text	⚙️
89	Port		Default	Text	⚙️
90	MediaType		Default	Text	⚙️
91	ShareName		Default	Text	⚙️
92	FirmwareRevision		Default	Text	⚙️
93	Model		Default	Text	⚙️

Default ▾

Text ▾

Add

Add parent attributes

Take a note that the attribute we are interested in has and ID = 79. We will need this later.

Now we need to check how the REST API call looks like for the particular device to see how the data looks like. As integration between ConfiForms and Riada's Insight is done through the REST APIs (<https://documentation.riada.io/display/INSSERV/Version+1.0+documentation>)

We will call the following REST API service

```
/jira/rest/insight/1.0/object/3
```

to load the structure for our device (which has ID = 3).

Unfortunately the JSON structure returned by Riada's Insight is not very user friendly, but contains the data we need and can be understood by ConfiForms, which is great.

```
{
  "id": 3,
  "label": "device 1",
  "objectKey": "ITS-3",
  "avatar": {
    "url16": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/3/icon.png?size=16&uuid=6341487f-46d1-4df5-b049-91a50eeac778",
    "url48": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/3/icon.png?size=48&uuid=6341487f-46d1-4df5-b049-91a50eeac778",
    "url72": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/3/icon.png?size=72&uuid=6341487f-46d1-4df5-b049-91a50eeac778",
    "url144": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/3/icon.png?size=144&uuid=6341487f-46d1-4df5-b049-91a50eeac778",
    "url288": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/3/icon.png?size=288&uuid=6341487f-46d1-4df5-b049-91a50eeac778",
    "objectId": 3
  },
  "objectType": {
    "id": 3,
    "name": "Connected Device",
    "type": 0,
    "description": "",
    "icon": {
      "id": 149,
      "name": "Connected Device",
      "url16": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/3/icon.png?size=16&inherited=false&abstract=false&time=1572434653742",
      "url48": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/3/icon.png?size=48&inherited=false&abstract=false&time=1572434653742"
    },
    "position": 0,
    "created": "30/Oct/19 1:24 PM",
    "updated": "30/Oct/19 1:24 PM",
    "objectCount": 0,
    "parentObjectType": 2,
    "objectSchemaId": 1,
    "inherited": false,
    "abstractObjectType": false,
    "parentObjectTypeInherited": false
  },
  "created": "30/Oct/19 1:37 PM",
  "updated": "30/Oct/19 1:37 PM",
  "hasAvatar": false,
  "timestamp": 1572435421712,
  "attributes": [
    {
      "id": 14,
      "objectTypeAttribute": {
        "id": 9,
        "name": "Key",
        "label": false,
        "type": 0,
        "defaultType": {
          "id": 0,
          "name": "Text"
        }
      },
      "editable": false,
      "system": true,
    }
  ]
}
```

```

"sortable": true,
"summable": false,
"minimumCardinality": 1,
"maximumCardinality": 1,
"removable": false,
"hidden": false,
"includeChildObjectTypes": false,
"uniqueAttribute": false,
"options": "",
"position": 0
},
"objectTypeAttributeId": 9,
"objectAttributeValues": [
  {
    "value": "ITS-3",
    "displayValue": "ITS-3"
  }
],
"objectId": 3,
"position": 0
},
{
  "id": 17,
  "objectTypeAttribute": {
    "id": 10,
    "name": "Name",
    "label": true,
    "type": 0,
    "defaultType": {
      "id": 0,
      "name": "Text"
    },
  },
  "editable": true,
  "system": false,
  "sortable": true,
  "summable": false,
  "minimumCardinality": 1,
  "maximumCardinality": 1,
  "removable": false,
  "hidden": false,
  "includeChildObjectTypes": false,
  "uniqueAttribute": false,
  "options": "",
  "position": 1
},
"objectTypeAttributeId": 10,
"objectAttributeValues": [
  {
    "value": "device 1",
    "displayValue": "device 1"
  }
],
"objectId": 3,
"position": 1
},
{
  "id": 15,
  "objectTypeAttribute": {
    "id": 11,
    "name": "Created",
    "label": false,
    "type": 0,
    "defaultType": {
      "id": 6,
      "name": "DateTime"
    },
  },
  "editable": false,
  "system": true,
  "sortable": true,
  "summable": false,
  "minimumCardinality": 1,

```

```

    "maximumCardinality": 1,
    "removable": false,
    "hidden": false,
    "includeChildObjectTypes": false,
    "uniqueAttribute": false,
    "options": "",
    "position": 2
  },
  "objectTypeAttributeId": 11,
  "objectAttributeValues": [
    {
      "value": "30/Oct/19 1:37 PM",
      "displayValue": "30/Oct/19 1:37 PM"
    }
  ],
  "objectId": 3,
  "position": 2
},
{
  "id": 16,
  "objectTypeAttribute": {
    "id": 12,
    "name": "Updated",
    "label": false,
    "type": 0,
    "defaultType": {
      "id": 6,
      "name": "DateTime"
    },
    "editable": false,
    "system": true,
    "sortable": true,
    "summable": false,
    "minimumCardinality": 1,
    "maximumCardinality": 1,
    "removable": false,
    "hidden": false,
    "includeChildObjectTypes": false,
    "uniqueAttribute": false,
    "options": "",
    "position": 3
  },
  "objectTypeAttributeId": 12,
  "objectAttributeValues": [
    {
      "value": "30/Oct/19 1:37 PM",
      "displayValue": "30/Oct/19 1:37 PM"
    }
  ],
  "objectId": 3,
  "position": 3
},
{
  "objectTypeAttribute": {
    "id": 77,
    "name": "Device ID",
    "label": false,
    "type": 0,
    "defaultType": {
      "id": 0,
      "name": "Text"
    },
    "editable": true,
    "system": false,
    "sortable": true,
    "summable": false,
    "minimumCardinality": 0,
    "maximumCardinality": 1,
    "removable": true,
    "hidden": false,
    "includeChildObjectTypes": false,

```

```

    "uniqueAttribute": false,
    "options": "",
    "position": 4
  },
  "objectTypeAttributeId": 77,
  "objectAttributeValues": [

  ],
  "objectId": 3,
  "position": 4
},
{
  "objectTypeAttribute": {
    "id": 78,
    "name": "Status",
    "label": false,
    "type": 7,
    "editable": true,
    "system": false,
    "sortable": true,
    "summable": false,
    "minimumCardinality": 0,
    "maximumCardinality": 1,
    "removable": true,
    "hidden": false,
    "includeChildObjectTypes": false,
    "uniqueAttribute": false,
    "options": "",
    "position": 5
  },
  "objectTypeAttributeId": 78,
  "objectAttributeValues": [

  ],
  "objectId": 3,
  "position": 5
},
{
  "id": 13,
  "objectTypeAttribute": {
    "id": 79,
    "name": "Host",
    "label": false,
    "type": 1,
    "referenceType": {
      "id": 11,
      "name": "Installed",
      "color": "C79D94",
      "url16": "http://vertuna-dev:2990/jira/plugins/servlet/com.riadalabs.jira.plugins.insight/referencetype.png?id=11&size=16",
      "removable": false,
      "objectSchemaId": 1
    },
    "referenceObjectTypeId": 2,
    "referenceObjectType": {
      "id": 2,
      "name": "Host",
      "type": 0,
      "description": "",
      "icon": {
        "id": 153,
        "name": "Host",
        "url16": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/2/icon.png?size=16&inherited=false&abstract=false&time=1572434653734",
        "url48": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/2/icon.png?size=48&inherited=false&abstract=false&time=1572434653734"
      },
      "position": 0,
      "created": "30/Oct/19 1:24 PM",
      "updated": "30/Oct/19 1:24 PM",
      "objectCount": 0,

```

```
"parentObjectId": 1,
"objectSchemaId": 1,
"inherited": false,
"abstractObjectType": false,
"parentObjectTypeInherited": false
},
"editable": true,
"system": false,
"sortable": true,
"summable": false,
"minimumCardinality": 0,
"maximumCardinality": -1,
"removable": true,
"hidden": false,
"includeChildObjectTypes": true,
"uniqueAttribute": false,
"options": "",
"position": 6
},
"objectTypeAttributeId": 79,
"objectAttributeValues": [
{
  "referencedObject": {
    "id": 2,
    "label": "another host",
    "objectKey": "ITS-2",
    "avatar": {
      "url16": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/2/icon.png?size=16&uuid=6a49b7fe-b69d-4e2a-a74a-d23cf3e84eb7",
      "url48": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/2/icon.png?size=48&uuid=6a49b7fe-b69d-4e2a-a74a-d23cf3e84eb7",
      "url72": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/2/icon.png?size=72&uuid=6a49b7fe-b69d-4e2a-a74a-d23cf3e84eb7",
      "url144": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/2/icon.png?size=144&uuid=6a49b7fe-b69d-4e2a-a74a-d23cf3e84eb7",
      "url288": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/2/icon.png?size=288&uuid=6a49b7fe-b69d-4e2a-a74a-d23cf3e84eb7",
      "objectId": 2
    },
    "objectType": {
      "id": 2,
      "name": "Host",
      "type": 0,
      "description": "",
      "icon": {
        "id": 153,
        "name": "Host",
        "url16": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/2/icon.png?size=16&inherited=false&abstract=false&time=1572434653734",
        "url48": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/2/icon.png?size=48&inherited=false&abstract=false&time=1572434653734"
      },
      "position": 0,
      "created": "30/Oct/19 1:24 PM",
      "updated": "30/Oct/19 1:24 PM",
      "objectCount": 0,
      "parentObjectId": 1,
      "objectSchemaId": 1,
      "inherited": false,
      "abstractObjectType": false,
      "parentObjectTypeInherited": false
    },
    "created": "30/Oct/19 1:36 PM",
    "updated": "30/Oct/19 1:36 PM",
    "hasAvatar": false,
    "timestamp": 1572435390277,
    "_links": {
      "self": "http://vertuna-dev:2990/jira/secure/ShowObject.jspa?id=2"
    },
    "name": "another host"
  },
}
```



```

    "displayValue": "another host"
  }
],
"objectId": 3,
"position": 6
},
{
  "objectTypeAttribute": {
    "id": 80,
    "name": "Object Hash",
    "label": false,
    "type": 0,
    "defaultType": {
      "id": 0,
      "name": "Text"
    },
    "editable": true,
    "system": false,
    "sortable": true,
    "summable": false,
    "minimumCardinality": 0,
    "maximumCardinality": 1,
    "removable": true,
    "hidden": false,
    "includeChildObjectTypes": false,
    "uniqueAttribute": false,
    "options": "",
    "position": 7
  },
  "objectTypeAttributeId": 80,
  "objectAttributeValues": [

],
"objectId": 3,
"position": 7
},
{
  "objectTypeAttribute": {
    "id": 81,
    "name": "Manufacturer",
    "label": false,
    "type": 0,
    "defaultType": {
      "id": 0,
      "name": "Text"
    },
    "editable": true,
    "system": false,
    "sortable": true,
    "summable": false,
    "minimumCardinality": 0,
    "maximumCardinality": 1,
    "removable": true,
    "hidden": false,
    "includeChildObjectTypes": false,
    "uniqueAttribute": false,
    "options": "",
    "position": 8
  },
  "objectTypeAttributeId": 81,
  "objectAttributeValues": [

],
"objectId": 3,
"position": 8
},
{
  "objectTypeAttribute": {
    "id": 82,
    "name": "Default",
    "label": false,

```

```
"type": 0,
"defaultType": {
  "id": 0,
  "name": "Text"
},
"editable": true,
"system": false,
"sortable": true,
"summable": false,
"minimumCardinality": 0,
"maximumCardinality": 1,
"removable": true,
"hidden": false,
"includeChildObjectTypes": false,
"uniqueAttribute": false,
"options": "",
"position": 9
},
"objectTypeAttributeId": 82,
"objectAttributeValues": [

],
"objectId": 3,
"position": 9
},
{
  "objectTypeAttribute": {
    "id": 83,
    "name": "Network",
    "label": false,
    "type": 0,
    "defaultType": {
      "id": 0,
      "name": "Text"
    },
    "editable": true,
    "system": false,
    "sortable": true,
    "summable": false,
    "minimumCardinality": 0,
    "maximumCardinality": 1,
    "removable": true,
    "hidden": false,
    "includeChildObjectTypes": false,
    "uniqueAttribute": false,
    "options": "",
    "position": 10
  },
  "objectTypeAttributeId": 83,
  "objectAttributeValues": [

],
"objectId": 3,
"position": 10
},
{
  "objectTypeAttribute": {
    "id": 84,
    "name": "Local",
    "label": false,
    "type": 0,
    "defaultType": {
      "id": 0,
      "name": "Text"
    },
    "editable": true,
    "system": false,
    "sortable": true,
    "summable": false,
    "minimumCardinality": 0,
    "maximumCardinality": 1,
```

```

    "removable": true,
    "hidden": false,
    "includeChildObjectTypes": false,
    "uniqueAttribute": false,
    "options": "",
    "position": 11
  },
  "objectTypeAttributeId": 84,
  "objectAttributeValues": [

  ],
  "objectId": 3,
  "position": 11
},
{
  "objectTypeAttribute": {
    "id": 85,
    "name": "Shared",
    "label": false,
    "type": 0,
    "defaultType": {
      "id": 0,
      "name": "Text"
    },
    "editable": true,
    "system": false,
    "sortable": true,
    "summable": false,
    "minimumCardinality": 0,
    "maximumCardinality": 1,
    "removable": true,
    "hidden": false,
    "includeChildObjectTypes": false,
    "uniqueAttribute": false,
    "options": "",
    "position": 12
  },
  "objectTypeAttributeId": 85,
  "objectAttributeValues": [

  ],
  "objectId": 3,
  "position": 12
},
{
  "objectTypeAttribute": {
    "id": 86,
    "name": "MonitorType",
    "label": false,
    "type": 0,
    "defaultType": {
      "id": 0,
      "name": "Text"
    },
    "editable": true,
    "system": false,
    "sortable": true,
    "summable": false,
    "minimumCardinality": 0,
    "maximumCardinality": 1,
    "removable": true,
    "hidden": false,
    "includeChildObjectTypes": false,
    "uniqueAttribute": false,
    "options": "",
    "position": 13
  },
  "objectTypeAttributeId": 86,
  "objectAttributeValues": [

  ],

```

```

"objectId": 3,
"position": 13
},
{
  "objectTypeAttribute": {
    "id": 87,
    "name": "ScreenHeight",
    "label": false,
    "type": 0,
    "defaultType": {
      "id": 0,
      "name": "Text"
    },
    "editable": true,
    "system": false,
    "sortable": true,
    "summable": false,
    "minimumCardinality": 0,
    "maximumCardinality": 1,
    "removable": true,
    "hidden": false,
    "includeChildObjectTypes": false,
    "uniqueAttribute": false,
    "options": "",
    "position": 14
  },
  "objectTypeAttributeId": 87,
  "objectAttributeValues": [

],
"objectId": 3,
"position": 14
},
{
  "objectTypeAttribute": {
    "id": 88,
    "name": "ScreenWidth",
    "label": false,
    "type": 0,
    "defaultType": {
      "id": 0,
      "name": "Text"
    },
    "editable": true,
    "system": false,
    "sortable": true,
    "summable": false,
    "minimumCardinality": 0,
    "maximumCardinality": 1,
    "removable": true,
    "hidden": false,
    "includeChildObjectTypes": false,
    "uniqueAttribute": false,
    "options": "",
    "position": 15
  },
  "objectTypeAttributeId": 88,
  "objectAttributeValues": [

],
"objectId": 3,
"position": 15
},
{
  "objectTypeAttribute": {
    "id": 89,
    "name": "Port",
    "label": false,
    "type": 0,
    "defaultType": {
      "id": 0,

```

```

    "name": "Text"
  },
  "editable": true,
  "system": false,
  "sortable": true,
  "summable": false,
  "minimumCardinality": 0,
  "maximumCardinality": 1,
  "removable": true,
  "hidden": false,
  "includeChildObjectTypes": false,
  "uniqueAttribute": false,
  "options": "",
  "position": 16
},
"objectTypeAttributeId": 89,
"objectAttributeValues": [

],
"objectId": 3,
"position": 16
},
{
  "objectTypeAttribute": {
    "id": 90,
    "name": "MediaType",
    "label": false,
    "type": 0,
    "defaultType": {
      "id": 0,
      "name": "Text"
    },
  },
  "editable": true,
  "system": false,
  "sortable": true,
  "summable": false,
  "minimumCardinality": 0,
  "maximumCardinality": 1,
  "removable": true,
  "hidden": false,
  "includeChildObjectTypes": false,
  "uniqueAttribute": false,
  "options": "",
  "position": 17
},
"objectTypeAttributeId": 90,
"objectAttributeValues": [

],
"objectId": 3,
"position": 17
},
{
  "objectTypeAttribute": {
    "id": 91,
    "name": "ShareName",
    "label": false,
    "type": 0,
    "defaultType": {
      "id": 0,
      "name": "Text"
    },
  },
  "editable": true,
  "system": false,
  "sortable": true,
  "summable": false,
  "minimumCardinality": 0,
  "maximumCardinality": 1,
  "removable": true,
  "hidden": false,
  "includeChildObjectTypes": false,

```

```

    "uniqueAttribute": false,
    "options": "",
    "position": 18
  },
  "objectTypeAttributeId": 91,
  "objectAttributeValues": [

  ],
  "objectId": 3,
  "position": 18
},
{
  "objectTypeAttribute": {
    "id": 92,
    "name": "FirmwareRevision",
    "label": false,
    "type": 0,
    "defaultType": {
      "id": 0,
      "name": "Text"
    },
    "editable": true,
    "system": false,
    "sortable": true,
    "summable": false,
    "minimumCardinality": 0,
    "maximumCardinality": 1,
    "removable": true,
    "hidden": false,
    "includeChildObjectTypes": false,
    "uniqueAttribute": false,
    "options": "",
    "position": 19
  },
  "objectTypeAttributeId": 92,
  "objectAttributeValues": [

  ],
  "objectId": 3,
  "position": 19
},
{
  "objectTypeAttribute": {
    "id": 93,
    "name": "Model",
    "label": false,
    "type": 0,
    "defaultType": {
      "id": 0,
      "name": "Text"
    },
    "editable": true,
    "system": false,
    "sortable": true,
    "summable": false,
    "minimumCardinality": 0,
    "maximumCardinality": 1,
    "removable": true,
    "hidden": false,
    "includeChildObjectTypes": false,
    "uniqueAttribute": false,
    "options": "",
    "position": 20
  },
  "objectTypeAttributeId": 93,
  "objectAttributeValues": [

  ],
  "objectId": 3,
  "position": 20
}

```

```
  ],
  "extendedInfo": {
    "openIssuesExists": false,
    "attachmentsExists": false
  },
  "_links": {
    "self": "http://vertuna-dev:2990/jira/secure/ShowObject.jspa?id=3"
  },
  "name": "device 1"
}
```

This is important bits that we need to get from the example JSON

We need to look at attribute with ID 79 and check how the objects are linked, which attribute is responsible and how the data is stored

```

"objectTypeAttributeId": 79,
"objectAttributeValues": [
{
  "referencedObject": {
    "id": 2,
    "label": "another host",
    "objectKey": "ITS-2",
    "avatar": {
      "url16": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/2/icon.png?size=16&uuid=6a49b7fe-b69d-4e2a-a74a-d23cf3e84eb7",
      "url48": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/2/icon.png?size=48&uuid=6a49b7fe-b69d-4e2a-a74a-d23cf3e84eb7",
      "url72": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/2/icon.png?size=72&uuid=6a49b7fe-b69d-4e2a-a74a-d23cf3e84eb7",
      "url144": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/2/icon.png?size=144&uuid=6a49b7fe-b69d-4e2a-a74a-d23cf3e84eb7",
      "url288": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/2/icon.png?size=288&uuid=6a49b7fe-b69d-4e2a-a74a-d23cf3e84eb7",
      "objectId": 2
    },
    "objectType": {
      "id": 2,
      "name": "Host",
      "type": 0,
      "description": "",
      "icon": {
        "id": 153,
        "name": "Host",
        "url16": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/2/icon.png?size=16&inherited=false&abstract=false&time=1572434653734",
        "url48": "http://vertuna-dev:2990/jira/rest/insight/1.0/objecttype/2/icon.png?size=48&inherited=false&abstract=false&time=1572434653734"
      },
      "position": 0,
      "created": "30/Oct/19 1:24 PM",
      "updated": "30/Oct/19 1:24 PM",
      "objectCount": 0,
      "parentObjectType": 1,
      "objectSchemaId": 1,
      "inherited": false,
      "abstractObjectType": false,
      "parentObjectTypeInherited": false
    },
    "created": "30/Oct/19 1:36 PM",
    "updated": "30/Oct/19 1:36 PM",
    "hasAvatar": false,
    "timestamp": 1572435390277,
    "_links": {
      "self": "http://vertuna-dev:2990/jira/secure/ShowObject.jspa?id=2"
    },
    "name": "another host"
  },
  "displayValue": "another host"
}
],

```

This will tell us the the link is stored in the "referencedObject" node, under "id" attribute and this will help us to make a correct expression for the filtering in our ConfiForms Rules for Field Definition macro configuration


```
graph TD; Root["ConfiForms Form Definition | formName = myform"] --> Registrations["ConfiForms (Form View) Registrations Control"]; Registrations --> HostsDef["ConfiForms Form Field Definition | fieldName = hosts | fieldLabel = Hosts"]; Registrations --> DevicesDef["ConfiForms Form Field Definition | fieldName = devices | fieldLabel = Devices"]; Registrations --> RulesDef["ConfiForms Rules for Field Definition | actionFieldName = hosts | condition = true"];
```

Edit 'ConfiForms Rules for Field Definition' Macro

Rules for ConfiForms Field Definitions

Documentation

Field name (or regular expression)

hosts

Name of the field you want to track for changes (leave blank when you configure validation rules, as these rules are applied on form submit). Parameter supports regular expressions to affect multiple fields with the same rule.Can be given as comma separated list of fields

Condition

!hosts:[empty]

Action will be executed when the condition is met. [Same syntax expected as in filters](#)
Empty value means it matches everything.
The scope is **current entry/record** (for dataset validation the scope is all records).
You can reference current records fields via

Preview

Select macro

SaveCancel

Action to execute *

Apply Filter on a field

Choose the action type to perform, see [more details on each action type in our documentation](#)

Actionable field name

devices

Could be list of field names (comma separated) you want the action to be performed on

Filter to apply on a field

devices.attributes.objectTypeAttribu

Use this to filter dropdown (simple, smart or db) field choices. Filter is applied on a referenced form and dataset (or in case of DB fields on the dataset provided by SQL defined in this choices field on your form)! You can use [entry.FIELD_NAME] references which are evaluated against the

Where actual expression for the filter looks like this:

```
devices.attributes.objectTypeAttribute(objectTypeAttributeId=79).objectAttributeValues.referencedObject.id:[entry.hosts.id]
```

Which reads as - filter "devices" by referencedObject's id property which is available under attribute number 79 and check it against the current selection in the "hosts" field

Now you have a fully working example of a ConfiForms form that has 2 dependent Insight fields.

Full code for the form is here:

```

<p class="auto-cursor-target">
  <br/>
</p><ac:structured-macro ac:name="confiform" ac:schema-version="1" ac:macro-id="2a72b451-7d52-4802-83c0-320f7017dc38">
<ac:parameter ac:name="formName">myform1</ac:parameter>
<ac:rich-text-body>
  <p class="auto-cursor-target">
    <br/>
  </p>
<ac:structured-macro ac:name="confiform-entry-register" ac:schema-version="1"
  ac:macro-id="b868bdae-a52b-4008-9187-46ebdbf105d3">
  <ac:parameter ac:name="atlassian-macro-output-type">INLINE</ac:parameter>
  <ac:rich-text-body>
    <p>
      <br/>
    </p>
  </ac:rich-text-body>
</ac:structured-macro>
<p class="auto-cursor-target">
  <ac:structured-macro ac:name="confiform-field-definition" ac:schema-version="1"
    ac:macro-id="d8db23fc-ad9c-46db-9611-263cd38af5f3">
    <ac:parameter ac:name="fieldName">hosts</ac:parameter>
    <ac:parameter ac:name="fieldLabel">Hosts</ac:parameter>
    <ac:parameter ac:name="values">2</ac:parameter>
    <ac:parameter ac:name="type">insightselect</ac:parameter>
    <ac:parameter ac:name="separator">true</ac:parameter>
  </ac:structured-macro>
</p>
<p>
  <ac:structured-macro ac:name="confiform-field-definition" ac:schema-version="1"
    ac:macro-id="d343a87b-a122-4d43-b878-9flbe81ca55e">
    <ac:parameter ac:name="fieldName">devices</ac:parameter>
    <ac:parameter ac:name="fieldLabel">Devices</ac:parameter>
    <ac:parameter ac:name="values">3</ac:parameter>
    <ac:parameter ac:name="type">insightselect</ac:parameter>
    <ac:parameter ac:name="separator">true</ac:parameter>
  </ac:structured-macro>
</p>
<p>
  <br/>
</p>
<p>
  <ac:structured-macro ac:name="confiform-field-definition-rules" ac:schema-version="1"
    ac:macro-id="e75fc6ef-9ald-42f4-b5eb-07c2f96c4d3f">
    <ac:parameter ac:name="condition">!hosts:[empty]</ac:parameter>
    <ac:parameter ac:name="fieldName">devices</ac:parameter>
    <ac:parameter ac:name="values">
      devices.attributes.objectTypeAttribute(objectTypeAttributeId=79).objectAttributeValues.referencedObject.
id:[entry.hosts.id]
    </ac:parameter>
    <ac:parameter ac:name="action">Apply Filter on a field</ac:parameter>
    <ac:parameter ac:name="actionFieldName">hosts</ac:parameter>
  </ac:structured-macro>
</p>
<p>
  <br/>
</p>
</ac:rich-text-body>
</ac:structured-macro>
<p>
<br/>
</p>

```

